

Title (en)
POLYMER ELECTROLYTE MEMBRANE, MEMBRANE ELECTRODE ASSEMBLY, POLYMER ELECTROLYTE FUEL CELL, AND PROCESS FOR PRODUCING POLYMER ELECTROLYTE MEMBRANE

Title (de)
POLYMERELEKTROLYTMEMBRAN, MEMBRAN-ELEKTRODEN-ANORDNUNG, POLYMERELEKTROLYTBRENNSTOFFZELLE, UND VERFAHREN ZUR HERSTELLUNG EINER POLYMERELEKTROLYTMEMBRAN

Title (fr)
MEMBRANE ÉLECTROLYTIQUE POLYMÈRE, ENSEMBLE MEMBRANE-ÉLECTRODES, PILE À COMBUSTIBLE À ÉLECTROLYTE POLYMÈRE, ET PROCÉDÉ DE PRODUCTION DE MEMBRANE ÉLECTROLYTE POLYMÈRE

Publication
EP 3979377 B1 20231227 (EN)

Application
EP 20813150 A 20200528

Priority
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• JP 2020021178 W 20200528

Abstract (en)
[origin: EP3979377A1] Provided is a polymer electrolyte membrane comprising: (a) a polyelectrolyte having an ion exchange capacity of from 0.5 to 3.0 meq/g; and (b) at least one scandium compound selected from the group consisting of scandium oxide, scandium acetate, scandium sulfate, scandium nitrate, and scandium carbonate, wherein a polyethylene glycol (PEG)-derived compound in the polymer electrolyte membrane has a total content of 10 ppm or less.

IPC 8 full level
H01M 8/1046 (2016.01); **C08J 5/20** (2006.01); **C08J 5/22** (2006.01); **H01B 1/06** (2006.01); **H01M 4/86** (2006.01); **H01M 8/10** (2016.01); **H01M 8/1025** (2016.01); **H01M 8/1039** (2016.01); **H01M 8/1067** (2016.01); **H01M 8/1081** (2016.01)

CPC (source: EP US)
C08J 5/2237 (2013.01 - EP); **H01M 8/1004** (2013.01 - US); **H01M 8/1025** (2013.01 - EP); **H01M 8/1039** (2013.01 - EP US); **H01M 8/1046** (2013.01 - EP US); **H01M 8/1048** (2013.01 - US); **H01M 8/1067** (2013.01 - EP US); **H01M 8/1081** (2013.01 - EP US); **C08J 2327/18** (2013.01 - EP); **H01M 2008/1095** (2013.01 - EP US); **H01M 2300/0082** (2013.01 - EP US); **H01M 2300/0091** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

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